

Attachment 1

A list of Surfactants Available from Sigma-Aldrich

Anionic

Product Name	Product #
Chenodeoxycholic acid, minimum 95%	C8377
Chenodeoxycholic acid sodium salt, minimum 97%	C8361
Cholic acid, ox of sheep bile, minimum 98%	C1128
Dehydrocholic acid	D8750
Deoxycholic acid, minimum 99%	D2510
Deoxycholic acid, SigmaUltra, minimum 99%	D4297
Deoxycholic acid, methylester, approx 95%	D3761
Dithionite Solid	D1141
Dithionite cholesterol determination, approx 60% (TLC)	D5828
Dithionite	D2104
N-Ethylmethylacetylamine N-oxide	E8775
Docosate sodium salt, minimum 95%, waxy solid	D0588
Docosate sodium salt, SigmaUltra, minimum 98%	D4117
Glycochenodeoxycholic acid sodium salt, minimum 97% (TLC)	G0758
Glycocholic acid hydrate, synthetic, minimum 97% (TLC)	G2878
Glycocholic acid sodium salt hydrate, synthetic, minimum 97% (TLC)	G7137
Glycodeoxycholic acid monohydrate, minimum 97% (TLC)	G4132
Glycodeoxycholic acid sodium salt, minimum 97%	G3258
Glycodeoxycholic acid sodium salt, SigmaUltra, minimum 97% (TLC)	G8810
Glycolithocholic acid 2-sulfate disodium salt	G5262
Glycolithocholic acid ethyl ester	G7810
N-Lauroyl sarcosine sodium salt, minimum 94%	L5123
N-Lauroyl sarcosine sodium salt, SigmaUltra, minimum 97%	L5707
N-Lauroyl sarcosine solution, minimum 95%	L1500
N-Lauroyl sarcosine solution, 20%	L7413
Lithium dodecyl sulfate for electrophoresis, denatured polyacrylamide gel electrophoresis, especially at lower temperature conditions, approx 99% (GC)	L2274
Lithium dodecyl sulfate, minimum 99.5% (GC)	L4532
Lithium dodecyl sulfate, SigmaUltra, 99% (GC)	L5801
Lithium dodecyl sulfate	L6745
Naproxen, type A, approx 27%	N1111
Naproxen, SigmaUltra, type A, approx 27% (GC)	N4274
Trichloro QS-15	Q515
Trichloro QS-14 solution, 80% in water	Q514
1-Octanesulfonic acid sodium salt, SigmaUltra	O1133
1-Octanesulfonic acid sodium salt, approx 98%	O4380
Sodium 3-butanesulfonate	B2018
Sodium 1-decanesulfonate, SigmaUltra, approx 98%	D0181
Sodium 1-decanesulfonate, approx 98%	D4112
Sodium 1-dodecanesulfonate	D5265

Sodium tetraptanesulfonate anhydrous, Solid	H2788
Sodium tetraptanesulfonate anhydrous, SigmaUltra	H8901
Sodium tetraptanesulfonate, approx 98%	N0493
Sodium tetraptanesulfonate monohydrate	P4708
Sodium 2,5-bis(2-ethylhexyl)sulfonate, minimum 98%	89208
Sodium chromate hydrate, ex of sheep bile, minimum 99%	C1234
Sodium chromate hydrate, SigmaUltra, minimum 99%	C3445
Sodium chromate	95975
Sodium deoxycholate, minimum 97%	B6750
Sodium deoxycholate monohydrate, SigmaUltra, 99% (duration)	B-670
Sodium dodecyl sulfate, minimum 98.5% (GC)	L4509
Sodium dodecyl sulfate, approx 95%, as based on total alkyl sulfate content	L5750
Sodium dodecyl sulfate, SigmaUltra, 99% (GC)	L5028
Sodium hexanesulfonate anhydrous, approx 98%	H5289
Sodium hexanesulfonate anhydrous, SigmaUltra	H9026
Sodium octyl sulfate, approx 95%	C4000
Sodium perfluorooctanesulfonate anhydrous	B0289
Sodium perfluorooctanesulfonate anhydrous, SigmaUltra	B8199
Sodium taurocholate, ex bile	H0750
Sodium taurocholate, minimum 97% (TLC)	H4009
taurochenodeoxycholic acid sodium salt	H8280
taurodeoxycholic acid sodium salt monohydrate, SigmaUltra, minimum 97% (TLC)	H5567
taurodeoxycholic acid sodium salt monohydrate, minimum 97% (TLC)	H0878
taurochenodeoxycholic acid sodium salt hydrate, minimum 98%	H0882
taurochenodeoxycholic acid sodium salt	H0512
taurochenodeoxycholic acid sodium salt, approx 90%	H0265
Trizma X-200 solution, 28% in water, dispersion	X200
Trizma XDS-20 solution	XDS20
Trizma dodecyl sulfate	L5046
Ureideoxycholic acid, minimum 99%	U5127

## Anti-Foaming Agent

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### Product Name

### Product #

Antifoam 204	A5428
Antifoam A Concentrate	A5633
Antifoam A Emulsion	A6748
Antifoam B Emulsion	A5757
Antifoam C Emulsion	A6011

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### Product Name

### Product #

Alkyltrimethylammonium bromide	H0845
Benzalkonium chloride, Semi-solid	B1383
Benzalkonium chloride, SigmaUltra	B6283
Benzyl dimethyl hexadecyl ammonium chloride	B4136
Benzyl dimethyl tetradecyl ammonium chloride	B5651
Benzyl dodecyl dimethyl ammonium bromide	B5776

Benzyltrimethylammonium tetraphenylborate, minimum 88% (titration)	B5042
Dimethyl dodecylammonium bromide	D2779
Dodecyltrimethylammonium bromide	D2784
Dodecyltrimethylammonium bromide, SigmaUltra, approx. 99%	D5047
Dodecyltrimethylammonium bromide, approx. 99%	D6638
Ethylhexadecyltrimethylammonium bromide	E0636
Grainol agent 1, Crystalline	G1767
Hexadecyltrimethylammonium bromide, minimum 99%, Powder	H5042
Hexadecyltrimethylammonium bromide, SigmaUltra, approx. 99%	H5053
N,N,N'-Polyoxyethylene-N-methyl-2,3-diaminopropane, liquid	P4182
Thonzonium bromide	T7783
Trimethyl tetradecylammonium bromide, approx. 99%	T4762

## Non-Ionic

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Product Name	Product #
BioCHAP, approx. 98%	B5518
Bis(p-phenylene glycol bis(maleoyl carbonyl)), Powder	B6632
Bio 25 (Size-Exclusion Chromatography)	B1264
Bio 266	B6763
Bio 72	B6894
Bio 78	B6816
Bio 782W	B4114
Bio 787	B6836
Bio 788P	B6844
Cremophor EL	C5185
Dodecylmethylglycolmonododecyl ether	D6763
N-Dodecyl-N-methylglucamine, minimum 98%	D6767
n-Dodecyl-β-D-glucopyranoside, approx. 98% (GC)	D6418
Dodecyl-β-D-mallopentanoside, minimum 98% (GC)	D6654
n-Dodecanoyl-N-methylglucamine, approx. 98%	D4481
n-Dodecyl-β-D-malloside, minimum 95% (GC)	D6544
n-Dodecyl-β-D-malloside, minimum 98%	D6641
n-Dodecyl-β-D-malloside, SigmaUltra, minimum 98% (GC)	D5172
Heptaerythritolglycolmonododecyl ether, minimum 97% (GC)	E7800
Heptaerythritolglycolmonododecyl ether	E6600
Heptaerythritolglycolmonotetradecyl ether	E6876
n-Hexadecyl-β-D-malloside, minimum 98% (GC)	H6282
Hexaerythritolglycolmonododecyl ether	H6875
Hexaerythritolglycolmonohexadecyl ether	H6428
Hexaerythritolglycolmonododecyl ether	H1176
Hexaerythritolglycolmonotetradecyl ether	H6550
Isopal CA-630, Viscous liquid	I6021
Isopal CA-630, for electrophoresis, suitable for 2-D electrophoresis	I6021
Methyl-β-D-(N-methylcarbamoyl)-β-D-glucopyranoside, minimum 90% (TLC)	M6420
Nonaerythritolglycolmonododecyl ether	N6641
N-Nonaerythritolglycolmonododecyl ether, approx. 98%	N1138



N-Nonyl-N-ethylglycyl-L-carnine, Sigma Ultra, approx. 98%	N2038
Octadecyltriethylglycol monododecyl ether	E7924
Octadecyltriethylglycol monododecyl ether	E1822
Octadecyltriethylglycol monohexadecyl ether	E0676
Octadecyltriethylglycol monooctadecyl ether	E7426
Octadecyltriethylglycol monotetradecyl ether	E8900
Octyl-D-glucopyranoside, Kinnamin 98%	G8001
Pentaerythritol glycol monododecyl ether, minimum 97%	P7560
Pentaerythritol glycol monododecyl ether	P8556
Pentaerythritol glycol monohexadecyl ether	P0671
Pentaerythritol glycol monooctyl ether - 95% GC	P4526
Pentaerythritol glycol monododecyl ether	P1051
Pentaerythritol glycol monododecyl ether	P1054
Polyethyl glycol diglycidyl ether, approx. 75%	E2572
Polyethyl glycol triacrylate	E7038
Polyoxyethylene 10 dodecyl ether	P2262
Polyoxyethylene 100 stearate	E6620
Polyoxyethylene 20 isohexadecyl ether	E2215
Polyoxyethylene 20 oleyl ether	E5521
Polyoxyethylene 40 stearate	E2110
Polyoxyethylene 50 stearate	E3364
Polyoxyethylene 8 stearate	E3313
Polyoxyethylene bis(trimethylammonium) salt	E6532
Polyoxyethylene 25 propylene glycol stearate	E2410
Span 10 from Qultra 504	S2148
Span 10 from Qultra 504	S2621
Span 10 from Qultra 504	S7600
Span 120	S6735
Span 140	S6938
Span 50	S7010
Span 65	S2028
Span 70	S2760
Span 85	S7365
Tergitol Type 15-S-123	T53114
Tergitol Type 15-S-20	T0320
Tergitol Type 15-S-5	T1515
Tergitol Type 15-S-7	T1517
Tergitol Type 15-S-9	T0322
Tergitol Type NP-40	NP310
Tergitol Type NP-4	NP41
Tergitol Type NP-40	NP40
Tergitol Type NP-7	NP71
Tergitol Type NP-8	NP81
Tergitol MN-FOAM-10	T1135
Tergitol MN-FOAM-20	T1260
Tergitol Type MN-10	TWN210

Pergonal Type DYN-5	DN55
Tetradecyl 8-Denitroside minimum 98% (GC)	P2834
Tetradecyl glycol monodecyl ether approx 97% (GC)	P2835
Tetradecyl glycol monodecyl ether	P2836
Tetradecyl glycol monodecyl ether	P2837
Methylundecyl glycol monodecyl ether minimum 97% (GC)	P2838
Methylundecyl glycol monodecyl ether	P2839
Dodecyl glycol monodecyl ether	P2840
Methylundecyl glycol monodecyl ether liquid	P2841
Methylundecyl glycol monodecyl ether	P2842
Triton CE-25 Solution	CE-25
Triton CE-25 5% in water	CE-25
Triton CE-12	CE-12
Triton CE-16	CE-16
Triton GR-3M 80% in aqueous 20% isopropanol	GR-3M
Triton X-100 reduced	X100RS
Triton X-102	X102
Triton X-15	X15
Triton X-15 solution 85% in water	X15
Triton X-207	X207
Triton X-400 Sigma Ultra	X400
Triton X-400 Peroxide and Carbonyl free	X400FC
Triton X-400	X400
Triton X-105 solution 70% in water	X105
Triton X-305 solution 70% in water	X305
Triton X-405 solution 70% in water	X405
Triton X-45	X45
Triton X-705-70 solution 70% in water	X705-70
TWEEN® 20 viscous liquid	P2878
TWEEN® 20 Low peroxide Low carbonyls	P2879
TWEEN® 20 Sigma Ultra	P2880
TWEEN® 20 Low peroxide Low Carbonyls	P2881
TWEEN® 20 solution 70% in water	P2882
TWEEN® 20 solution 70% in water	P2883
TWEEN® 21	P2884
TWEEN® 40 viscous liquid	P2885
TWEEN® 60	P2886
TWEEN® 80	P2887
TWEEN® 80 AT 2	P2888
TWEEN® 80 viscous liquid	P2889
TWEEN® 80 Sigma Ultra	P2890
TWEEN® 80	P2891
TWEEN® 80 viscous liquid Low Peroxide	P2892
TWEEN® 80 viscous liquid Preservative Free Low peroxide Low carbonyls	P2893
TWEEN® 80 solution Low Peroxide 10% (Solution)	P2894
TWEEN® 80 solution liquid	P2895

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Reply to Office Action of March 28, 2006

TWEEN® 81	22813
TWEEN® 85	22814
Hydrolab SigmaUltra	10307
Hydrolab	10308
n-Undecyl β-D-glucopyranoside, approx. 97% (GC)	11254

## Zwitterionic

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Product Name	Product #
CHAPS, minimum 98% (TLC)	23023
CHAPS, SigmaUltra, minimum 98% (TLC)	23070
CHAPS, for electrophoresis, minimum 98% (TLC)	23076
CHAPS, minimum 95% (TLC)	23079
CHAPS, SigmaUltra	23085
CHAPS, for electrophoresis	23087
3-(Deoxyoctadecyl)ammonio)propanesulfonate inner salt	24268
3-(Oodecyl)dimethylammonio)propanesulfonate inner salt, SigmaUltra	24333
3-(Oodecyl)dimethylammonio)propanesulfonate inner salt	24318
33-N,N-Dimethylmyristylammonio)propanesulfonate	27763
34-N,N-Dimethyloctadecylammonio)propanesulfonate	28002
34-N,N-Dimethyloctadecylammonio)propanesulfonate inner salt	28026
34-N,N-Dimethylpalmitylammonio)propanesulfonate	28313

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